ELSEVIER

www.elsevier.nl/locate/jorganchem

Journal of Organometallic Chemistry 591 (1999) 215

Journal of Organometallic Chemistry

Author Index of Volume 591

Alcock, N.W., 174

Baker, T.A., 24
Baraldo, L.M., 24
Baumann, R., 163
Bennett, B.K., 96
Bergman, R.G., 2
Berno, P., 88
Blake, A.J., 114
Boaretto, R., 174
Boncella, J.M., 8
Burns, C.J., 14

Chamberlin, R.M., 194
Chiesi-Villa, A., 45
Coles, M.P., 78
Crevier, T.J., 96
Cummins, C.C., 24

Dalby, C.I., 78
Danopoulos, A.A., 36
Davis, W.M., 163
Dijkstra, T.W., 88
DuMez, D.D., 96

Eberle, T., 127
Etheridge, Z.C., 148

Fanwick, P.E., 148
Firth, A.V., 185
Floriani, C., 45
Fryzuk, M.D., 63

Gade, L.H., 71
Galka, C., 71
Gibson, V.C., 78
Gielens, E.E.C.G., 88
Giesbrecht, G.R., 63
Glassey, W.V., 194
Green, J.C., 36

Hesschenbrouck, J., 45
Hessen, B., 88
Hoskin, A.J., 185
Hursthouse, M.B., 36

Johnson, A.R., 24
Jordan, A.Y., 104

Kauper, U., 71
Kingsley, A.J., 174
Kleckley, T.S., 194
Klose, A., 45
Krska, S.W., 2

Latronico, M., 45
Lee, C.E., 194
Liang, L.-C., 163
Little, I.R., 78
Lloyd, J., 114
Lobkovsky, E.B., 194
Lübben, T., 138

Marshall, E.L., 78
Mastroianni, S., 78
Matano, Y., 96
Mayer, J.M., 96
McNeil, W.S., 96
Meetsma, A., 88
Memmler, H., 71
Meyer, T.Y., 104
Mountford, P., 114
Munslow, I.J., 174

Neithamer, D.R., 194
Noltemeyer, M., 138

Okuda, J., 127

Peters, J.C., 24
Piquet-Fauré, V., 127
Re, N., 45
Renner, P., 71
Rettig, S.J., 63
Ribeiro da Costa, M.H., 78
Rizzoli, C., 45
Robson, D.A., 114
Roesky, H.W., 138
Rothwell, I.P., 148
Roussel, P., 174

Sanders, C.J., 174
Schmidt, H.-G., 138
Schnabel, R.C., 14
Schrock, R.R., 163
Scott, B.L., 14
Scott, P., 174
Smith, W.H., 14
Solari, E., 45
Spaniol, T.P., 127
Stephan, D.W., 185
Stewart, J.C., 185

Teuben, J.H., 88
Thorn, M.G., 148

VanderLende, D.D., 8
Vatsadze, S.Z., 114
Veige, A.S., 194

Wang, S.-Y.S., 8
Witt, M., 138
Wolczanski, P.T., 194
Woo, T.K., 204

Yap, G.P.A., 63

Ziegler, T., 204
Zuckerman, R.L., 2

PII: S0022-328X(99)00602-6

ELSEVIER

www.elsevier.nl/locate/jorganchem

Journal of Organometallic Chemistry 591 (1999) 217–219

Journal of Organometallic Chemistry

Subject Index of Volume 591

Alkoxide
C–H activation of pendant alkoxides by tungsten imide complexes, 104
Alkyl
Cationic Group 4 metal alkyl compounds containing aryloxide ligation: synthesis, structure, reactivity and polymerization studies, 148
Imido complexes of manganese, 36
The synthesis of tungsten imido hydride complexes by the hydrogenolysis of dialkyl complexes, 8
The tendency of tripodal amidozirconium and hafnium complexes to form hexacoordinate structures: alkali metal halide cages versus solvent adducts, 71
Aluminum
Synthesis and characterization of Group 13 hydrides and metal–metal bonded dimers stabilized by the macrocyclic bis(amidophosphine) ligand $[P_2N_2]$ ($[P_2N_2]$ = [PhP(CH_2-$SiMe_2NSiMe_2CH_2)_2$PPh]), 63
Amide
Imido complexes of manganese, 36
New titanium imido complexes containing piperazine-based diamido–diamine ligands, 114
ansa-Metallocene
Synthesis and structural characterization of uranium *ansa*-metallocene complexes containing organoimido functional groups; electronic effects of ancillary ligands, 14
Aryloxide
Ancillary aryloxide ligands in ethylene polymerization catalyst precursors, 185
Atom abstraction
$(Silox)_3Nb(\eta^2$-N,C-4-picoline) as a source of $(silox)_3Nb$: structure of $[(silox)_3Nb]_2(\mu$-η^2,η^2-$C_6H_6)$ (silox = $^tBu_3SiO$), 194

Benzene
$(Silox)_3Nb(\eta^2$-N,C-4-picoline) as a source of $(silox)_3Nb$: structure of $[(silox)_3Nb]_2(\mu$-η^2,η^2-$C_6H_6)$ (silox = $^tBu_3SiO$), 194
Benzyl cation
Complexes of titanium and zirconium containing a tridentate linked amido–cyclopentadienyl ligand with a soft donor group: synthesis, structure, and ethylene polymerization catalysis, 127
N-tert-Butylanilide
Dimolybdenum–μ-cyanide complexes supported by *N-tert*-butylanilide ligation: in pursuit of cyanide reductive cleavage, 24

Cationic complexes
Stoichiometric olefin insertion into the Ti–C bond of four-coordinate cationic bis(phenolate) titanium aryl and benzyl complexes, 88
C–H
Synthesis of a highly strained uranacycle: molecular structures of organometallic products arising from reduction, oxidation and protonolysis, 174
C–H activation
C–H activation of pendant alkoxides by tungsten imide complexes, 104
Reversible C–H activation of an *N*-methyl group in a bis-Zr(IV) diazametallacycle: generation of an end-on, side-on coordinated bridging alkylideneamido ligand, 2
Cyano
Dimolybdenum–μ-cyanide complexes supported by *N-tert*-butylanilide ligation: in pursuit of cyanide reductive cleavage, 24
Cyclopentadienyl
Ancillary aryloxide ligands in ethylene polymerization catalyst precursors, 185

Density functional theory
The influence of electronic and steric factors on chain branching in ethylene polymerization by Brookhart-type Ni(II) diimine catalysts: a combined density functional theory and molecular mechanics study, 204
Diamido
Synthesis of Group 4 $[(RN$-o-$C_6H_4)_2O]^{2-}$ complexes where R is $SiMe_3$ or 0.5 $Me_2SiCH_2CH_2SiMe_2$, 163
Diazaphosphametalletidines
P-functionally substituted aminoiminophosphoranate chelates of Ti, Zr, and Sn-synthesis and structural investigations, 138
Dinuclear complexes
Reversible C–H activation of an *N*-methyl group in a bis-Zr(IV) diazametallacycle: generation of an end-on, side-on coordinated bridging alkylideneamido ligand, 2

Electrochemistry
Electrochemical and reactivity comparisons among isoelectronic oxo, imido, and nitrido complexes of rhenium and osmium, 96
Ethene polymerization
Ancillary aryloxide ligands in ethylene polymerization catalyst precursors, 185
Ethylene polymerization
Transition metal imido catalysts for ethylene polymerisation, 78
Complexes of titanium and zirconium containing a tridentate linked amido–cyclopentadienyl ligand with a soft donor group: synthesis, structure, and ethylene polymerization catalysis, 127
The influence of electronic and steric factors on chain branching in ethylene polymerization by Brookhart-type Ni(II) diimine catalysts: a combined density functional theory and molecular mechanics study, 204

Gallium
Synthesis and characterization of Group 13 hydrides and metal–metal bonded dimers stabilized by the macrocyclic bis(amidophosphine) ligand $[P_2N_2]$ ($[P_2N_2]$ = [Ph-P($CH_2SiMe_2NSiMe_2CH_2)_2$PPh]), 63

Hafnium
Synthesis of Group 4 $[(RN$-o-$C_6H_4)_2O]^{2-}$ complexes where R is $SiMe_3$ or 0.5 $Me_2SiCH_2CH_2SiMe_2$, 163

PII: S0022-328X(99)00603-8

The tendency of tripodal amidozirconium and hafnium complexes to form hexacoordinate structures: alkali metal halide cages versus solvent adducts, 71

Heterocubane
The tendency of tripodal amidozirconium and hafnium complexes to form hexacoordinate structures: alkali metal halide cages versus solvent adducts, 71

Hydride
Synthesis and characterization of Group 13 hydrides and metal–metal bonded dimers stabilized by the macrocyclic bis(amidophosphine) ligand $[P_2N_2]$ ($[P_2N_2]$ = [PhP($CH_2SiMe_2NSiMe_2CH_2)_2$PPh]), 63
The synthesis of tungsten imido hydride complexes by the hydrogenolysis of dialkyl complexes, 8

Hydrogenolysis
The synthesis of tungsten imido hydride complexes by the hydrogenolysis of dialkyl complexes, 8

Hydrotris(pyrazolyl)borate ligands
Electrochemical and reactivity comparisons among isoelectronic oxo, imido, and nitrido complexes of rhenium and osmium, 96

Imide
C–H activation of pendant alkoxides by tungsten imide complexes, 104
New titanium imido complexes containing piperazine-based diamido–diamine ligands, 114

Imido
Electrochemical and reactivity comparisons among isoelectronic oxo, imido, and nitrido complexes of rhenium and osmium, 96
Imido complexes of manganese, 36
The synthesis of tungsten imido hydride complexes by the hydrogenolysis of dialkyl complexes, 8

Imido complexes
Reversible C–H activation of an *N*-methyl group in a bis-Zr(IV) diazametallacycle: generation of an end-on, side-on coordinated bridging alkylideneamido ligand, 2
Transition metal imido catalysts for ethylene polymerisation, 78

Imines
Reversible C–H activation of an *N*-methyl group in a bis-Zr(IV) diazametallacycle: generation of an end-on, side-on coordinated bridging alkylideneamido ligand, 2

Indium
Synthesis and characterization of Group 13 hydrides and metal–metal bonded dimers stabilized by the macrocyclic bis(amidophosphine) ligand $[P_2N_2]$ ($[P_2N_2]$ = [PhP($CH_2SiMe_2NSiMe_2CH_2)_2$PPh]), 63

Iron carbene
The metal–carbon multiple bond in iron(I)– and iron(II)–dibenzotetramethyltetra[14]azaannulene: carbene, carbonyl, and isocyanide derivatives, 45

Iron–carbon monoxide
The metal–carbon multiple bond in iron(I)– and iron(II)–dibenzotetramethyltetra[14]azaannulene: carbene, carbonyl, and isocyanide derivatives, 45

Iron macrocycle redox
The metal–carbon multiple bond in iron(I)– and iron(II)–dibenzotetramethyltetra[14]azaannulene: carbene, carbonyl, and isocyanide derivatives, 45

Linked amido–cyclopentadienyl ligand
Complexes of titanium and zirconium containing a tridentate linked amido–cyclopentadienyl ligand with a soft donor group: synthesis, structure, and ethylene polymerization catalysis, 127

Macrocycle
Synthesis and characterization of Group 13 hydrides and metal–metal bonded dimers stabilized by the macrocyclic bis(amidophosphine) ligand $[P_2N_2]$ ($[P_2N_2]$ = [PhP($CH_2SiMe_2NSiMe_2CH_2)_2$PPh]), 63

Manganese
Imido complexes of manganese, 36

Metallacycle
Synthesis of a highly strained uranacycle: molecular structures of organometallic products arising from reduction, oxidation and protonolysis, 174

Metalla-macrocycle
The metal–carbon multiple bond in iron(I)– and iron(II)–dibenzotetramethyltetra[14]azaannulene: carbene, carbonyl, and isocyanide derivatives, 45

Metallaspirobicycloheptanes
P-functionally substituted aminoiminophosphoranate chelates of Ti, Zr, and Sn-synthesis and structural investigations, 138

Metal–metal bonds
Synthesis and characterization of Group 13 hydrides and metal–metal bonded dimers stabilized by the macrocyclic bis(amidophosphine) ligand $[P_2N_2]$ ($[P_2N_2]$ = [PhP($CH_2SiMe_2NSiMe_2CH_2)_2$PPh]), 63

Molecular mechanism
The influence of electronic and steric factors on chain branching in ethylene polymerization by Brookhart-type Ni(II) diimine catalysts: a combined density functional theory and molecular mechanics study, 204

Molybdenum
Dimolybdenum–μ-cyanide complexes supported by *N-tert*-butylanilide ligation: in pursuit of cyanide reductive cleavage, 24

Nickel
The influence of electronic and steric factors on chain branching in ethylene polymerization by Brookhart-type Ni(II) diimine catalysts: a combined density functional theory and molecular mechanics study, 204

Niobium
$(Silox)_3Nb(\eta^2$-N,C-4-picoline) as a source of $(silox)_3Nb$: structure of $[(silox)_3Nb]_2(\mu\text{-}\eta^2,\eta^2\text{-}C_6H_6)$ (silox = $^tBu_3SiO$), 194

Nitrido
Electrochemical and reactivity comparisons among isoelectronic oxo, imido, and nitrido complexes of rhenium and osmium, 96

Olefin insertion
Stoichiometric olefin insertion into the Ti–C bond of four-coordinate cationic bis(phenolate) titanium aryl and benzyl complexes, 88

Organoimido
Synthesis and structural characterization of uranium *ansa*-metallocene complexes containing organoimido functional groups; electronic effects of ancillary ligands, 14

Osmium
Electrochemical and reactivity comparisons among isoelectronic oxo, imido, and nitrido complexes of rhenium and osmium, 96

Oxo
Electrochemical and reactivity comparisons among isoelectronic oxo, imido, and nitrido complexes of rhenium and osmium, 96

Phenoxides
Cationic Group 4 metal alkyl compounds containing aryloxide ligation: synthesis, structure, reactivity and polymerization studies, 148

Picoline
(Silox)$_3$Nb(η^2-N,C-4-picoline) as a source of (silox)$_3$Nb: structure of [(silox)$_3$Nb]$_2$(μ-η^2,η^2-C_6H_6) (silox = ^{t}Bu$_3$SiO), 194
Polydentate ligand
New titanium imido complexes containing piperazine-based diamido–diamine ligands, 114
Polymerisation of hexene
Synthesis of Group 4 [(RN-*o*-C_6H_4)$_2$O]$^{2-}$ complexes where R is $SiMe_3$ or 0.5 $Me_2SiCH_2CH_2SiMe_2$, 163
Protonolysis
Synthesis of a highly strained uranacycle: molecular structures of organometallic products arising from reduction, oxidation and protonolysis, 174

Redox reactions
Electrochemical and reactivity comparisons among isoelectronic oxo, imido, and nitrido complexes of rhenium and osmium, 96
Reduction
(Silox)$_3$Nb(η^2-N,C-4-picoline) as a source of (silox)$_3$Nb: structure of [(silox)$_3$Nb]$_2$(μ-η^2,η^2-C_6H_6) (silox = ^{t}Bu$_3$SiO), 194
Rhenium
Electrochemical and reactivity comparisons among isoelectronic oxo, imido, and nitrido complexes of rhenium and osmium, 96

Tantalum
(Silox)$_3$Nb(η^2-N,C-4-picoline) as a source of (silox)$_3$Nb: structure of [(silox)$_3$Nb]$_2$(μ-η^2,η^2-C_6H_6) (silox = ^{t}Bu$_3$SiO), 194
Thioether ligand
Complexes of titanium and zirconium containing a tridentate linked amido–cyclopentadienyl ligand with a soft donor group: synthesis, structure, and ethylene polymerization catalysis, 127
Thiolate
Imido complexes of manganese, 36
Tin
P-functionally substituted aminoiminophosphoranate chelates of Ti, Zr, and Sn-synthesis and structural investigations, 138
Titanium
Ancillary aryloxide ligands in ethylene polymerization catalyst precursors, 185
Cationic Group 4 metal alkyl compounds containing aryloxide ligation: synthesis, structure, reactivity and polymerization studies, 148
Complexes of titanium and zirconium containing a tridentate linked amido–cyclopentadienyl ligand with a soft donor group: synthesis, structure, and ethylene polymerization catalysis, 127
New titanium imido complexes containing piperazine-based diamido–diamine ligands, 114
P-functionally substituted aminoiminophosphoranate chelates of Ti, Zr, and Sn-synthesis and structural investigations, 138
Synthesis of Group 4 [(RN-*o*-C_6H_4)$_2$O]$^{2-}$ complexes where R is $SiMe_3$ or 0.5 $Me_2SiCH_2CH_2SiMe_2$, 163
Titanium alkyls
Stoichiometric olefin insertion into the Ti–C bond of four-coordinate cationic bis(phenolate) titanium aryl and benzyl complexes, 88
Transition metals
Transition metal imido catalysts for ethylene polymerisation, 78
Tripodal amide
The tendency of tripodal amidozirconium and hafnium complexes to form hexacoordinate structures: alkali metal halide cages versus solvent adducts, 71
Tungsten
C–H activation of pendant alkoxides by tungsten imide complexes, 104

The synthesis of tungsten imido hydride complexes by the hydrogenolysis of dialkyl complexes, 8
Uranium
Synthesis and structural characterization of uranium *ansa*-metallocene complexes containing organoimido functional groups; electronic effects of ancillary ligands, 14

X-ray
P-functionally substituted aminoiminophosphoranate chelates of Ti, Zr, and Sn-synthesis and structural investigations, 138
X-ray diffraction
New titanium imido complexes containing piperazine-based diamido–diamine ligands, 114

Zirconium
Cationic Group 4 metal alkyl compounds containing aryloxide ligation: synthesis, structure, reactivity and polymerization studies, 148
Complexes of titanium and zirconium containing a tridentate linked amido–cyclopentadienyl ligand with a soft donor group: synthesis, structure, and ethylene polymerization catalysis, 127
P-functionally substituted aminoiminophosphoranate chelates of Ti, Zr, and Sn-synthesis and structural investigations, 138
Synthesis of Group 4 [(RN-*o*-C_6H_4)$_2$O]$^{2-}$ complexes where R is $SiMe_3$ or 0.5 $Me_2SiCH_2CH_2SiMe_2$, 163
The tendency of tripodal amidozirconium and hafnium complexes to form hexacoordinate structures: alkali metal halide cages versus solvent adducts, 71
Zwitterionic polymerization
Cationic Group 4 metal alkyl compounds containing aryloxide ligation: synthesis, structure, reactivity and polymerization studies, 148